Name of Work :Construction of Bengaluru one office & tax office Multipurpose building in ward no. 13, Shettyhalli Sub Division

Modified Estimate

BOQ. No	Description	Unit	No.	Length	Breadth	H/D	Qty	Rate	Amount
1	Earth work excavation for foundation of building water sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of colds complete as per specifications.(Page No.5, Item No. 2.4)								
	Column Footing	Cum	1.00	12.00	1.80	1.80	1.80	69.98		
			1.00	1.00	23.47	0.75	0.75	13.24		
			1.00	1.00	5.48	0.75	0.75	3.08		
	Centre Wall		1.00	6.00	5.18	0.75	0.75	17.49		
	Sump Tank		1.00	1.00	3.00	2.00	1.80	10.80		
	Sanitary		1.00	1.00	10.00	0.57	1.20	6.78		
	Water Supply Line		1.00	1.00	10.00	0.60	1.00	6.00		
	Foyer		1.00	1.00	23.47	0.75	0.60	10.56		
			1.00	1.00	5.48	0.75	0.60	2.47		
						Total Qty		140.40		
		Qty Executed beyond tender quantity upto 125%						139.18	299.98	41751.22
		Qty Executed over & above 125% of						1.22	299.98	367.01
2	KSRB 4-1.3: Providing and laying in position plain cement concrete cum 3,973.00 of mix M7.5 with ope cement @ 180kgs, with 40mm and down size graded granite metal coarse ggregates @O.85cum and fine aggregtes @ O.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. pecification No. KBS 4.1, 4.2 (Page No. 12, Item NO. 4.3)								
	Column Footing	Cum	1.00	12.00	1.80	1.80	0.15	5.83		
			1.00	2.00	23.47	0.75	0.15	5.28		
			1.00	2.00	5.48	0.75	0.15	1.23		
	Centre Wall		1.00	4.00	5.18	0.75	0.15	2.33		
	Sump Tank		1.00	1.00	3.00	2.00	0.15	0.90		
	Hall-1		1.00	1.00	5.10	5.10	0.15	3.90		
	Office-1		1.00	1.00	4.42	3.50	0.15	2.32		
	Hall-2		1.00	1.00	5.10	5.10	0.15	3.90		
	Office-2		1.00	1.00	4.42	3.50	0.15	2.32		
	Hall-03		1.00	1.00	5.10	5.10	0.15	3.90		
	Office-3		1.00	1.00	4.42	3.50	0.15	2.32		
	Toilet		1.00	6.00	2.13	1.60	0.10	2.04		
	Column		-1.00	12.00	0.45	0.15	0.15	-0.12		
	Foyer		1.00	1.00	23.47	1.50	0.15	5.28		
			1.00	1.00	5.48	2.45	0.15	2.01		
	Flagging Concrete All round the Building		1.00	1.00	24.00	2.00	0.15			
						Total Qty		43.46	5159.02	224214.62

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BOQ. No	Description	Unit	No.	Length	Breadth	H/D	Qty	Rate	Amount
3	Providing and constructing granite /trap/ baslat size stone masonry in foundation with cement mortar 1:6, stones hammerd dressed in courses not less than 20cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications (Page No.								
	All Around The Building	Cum	1.00	2.00	23.47	1.00	0.60	28.16		
	Centre Wall		1.00	2.00	5.48	1.00	0.60	6.58		
	Foyer		1.00	4.00	5.18	0.60	0.45	5.59		
			1.00	1.00	23.47	0.80	0.60	11.27		
	Deduct For Column		1.00	1.00	5.48	0.80	0.60	2.63		
			-1.00	12.00	0.45	0.15	1.20	-0.97		
						Total Qty		53.26		
		Qty Executed beyond tender quantity upto 125%						43.63	4438.2	193638.67
		Qty Executed over & above 125% of Sanctioned Quantity						9.63	4438.2	42732.76
4	Providing and onstructing granite /trap/ baslat size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications (Page No. 23, Item No. 5.9)								
	All Around The Building	Cum	1	2	23.47	0.6		28.16		
			1	2	5.48	0.6		6.58		
	Foyer		1.00	1.00	23.47	0.60		14.08		
			1.00	1.00	5.48	0.60		3.29		
	Centre Wall		1.00	4.00	5.18	0.60		12.43		
	Deduct For Column		-1.00	12.00	0.45	0.15		-0.81		
						Total Qty		63.73		
		Qty Executed beyond tender quantity upto 125%						40.61		
		Qty Executed over & above 125% of Sanctioned Quantity						18.28	5305.3	96980.88
								22.33	5305.3	118459.92
5	Providing ruled pointing to coursed stone masonry with cement mortar 1:3 20mm deep, after raking joints to depth of 20mm necely lining, including cost of materials, labour, curing complete as per specifications (Page NO. 113, Item No. 15.3)								
	All Around The Building	Cum	1	2	23.47	0.6		28.16		
			1	2	5.48	0.6		6.58		
	Foyer		1.00	1.00	23.47	0.60		14.08		
			1.00	1.00	5.48	0.60		3.29		
	Centre Wall		1.00	4.00	5.18	0.60		12.43		
	Deduct For Column		-1.00	12.00	0.45	0.15		-0.81		
						Total Qty		63.73		
		Qty Executed beyond tender quantity upto 125%						28.43	103.88	2953.31
		Qty Executed over & above 125% of Sanctioned Quantity						35.31	103.88	3668.00

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BOQ. No	Description	Unit	No.		Length	Breadth	H/D	Qty	Rate	Amount
6	Providing and laying in position plain cement concrete of nominal mix 1:2:4 using 20mm and down size graded granite metal machine mixed concrete liad in layers not exceeding 15cms thick well compacted in foundation plinth and cills including cost of all materials, labour HOM of machinery, curing complete as per specifications (Page No. 12, Item No. 4.6)									
	Foyer		1.00	1.00	23.47	1.50	0.10	3.52		
			1.00	1.00	5.48	2.45	0.10	1.34		
						Total Qty		4.86	5767.46	28047.73
7	Filling avaialble excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20cms in depth compacting each deposited layers by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour complete as per specification (Page No.6, Item No. 2.10)									
	Column Footing	Cum	1.00	12.00	1.65	1.65	1.65	53.91		
			1.00	1.00	23.47	0.75	0.75	13.24		
			1.00	1.00	5.48	0.75	0.75	3.08		
	Hall-1		1.00	1.00	5.10	5.10	0.45	11.70		
	Office-1		1.00	1.00	4.42	3.50	0.45	6.96		
	Hall-2		1.00	1.00	5.10	5.10	0.45	11.70		
	Office-2		1.00	1.00	4.42	3.50	0.45	6.96		
	Toilet		1.00	6.00	2.12	1.60	0.45	9.16		
	Column		-1.00	12.00	0.45	0.15	1.20	-0.97		
	Foyer		1.00	1.00	23.47	1.50	0.25	8.80		
			1.00	1.00	5.48	2.45	0.25	3.30		
						Total Qty		127.90		
		Qty Executed beyond tender quantity upto 125%						70.25	134.62	9457.06
		Qty Executed over & above 125% of Sanctioned Quantity						57.65	134.62	7761.01
8	Providing and laying in position reinforced cement concrete of nominal mix 1:1.5:3 with 20mm (M20) and down size graded granite machine mixed , concrte laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, stair case, lintels retaining walls,return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, bustress, string or lacing courses, parapets, coping bed blocks, anchors blocks, plain windows cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing complete as per specifications (Page No. 13, Item No. 4.11)									
		Cum								
	For Footing		1.00	12.00	1.60	1.60	0.40	12.29		
	For Column up to Plinth		1.00	12.00	0.45	0.15	1.20	0.97		
	Plinth beam		1.00	2.00	23.47	0.15	0.45	3.17		
			1.00	2.00	5.48	0.15	0.45	0.74		
			1.00	4.00	5.18	0.15	0.45	1.40		
	Sump Raft		1.00	1.00	3.00	2.00	0.15	0.90		

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BOQ. No	Description	Unit	No.		Length	Breadth	H/D	Qty	Rate	Amount
	For Sump tank Wall		1.00	2.00	3.00	0.10	1.20	0.72		
			1.00	2.00	2.00	0.10	1.20	0.48		
	Sump Roof		1.00	1.00	3.00	2.00	0.15	0.90		
	Column Upto Beam Bottom		1.00	12.00	0.45	0.15	3.20	2.59		
	RCC Lintle		1.00	2.00	23.47	0.15	0.15	1.06		
			1.00	2.00	5.48	0.15	0.15	0.25		
			1.00	4.00	5.18	0.15	0.15	0.47		
	Roof beam		1.00	2.00	23.47	0.15	0.45	3.17		
			1.00	2.00	5.48	0.15	0.45	0.74		
			1.00	4.00	5.18	0.15	0.45	1.40		
	RCC beam for ground floor roof									
	Hall-1		1.00	1.00	5.10	5.10	0.15	3.90		
	Office-1		1.00	1.00	4.42	3.50	0.15	2.32		
	Hall-2		1.00	1.00	5.10	5.10	0.15	3.90		
	Office-2		1.00	1.00	4.42	3.50	0.15	2.32		
	Toilet		1.00	4.00	2.13	1.60	0.15	2.04		
	1st Flight		0.50	24.00	1.20	0.30	0.15	0.65		
	Mid Landing		1.00	1.00	3.00	1.50	0.15	0.68		
	Column Upto 1 St Floor		1.00	6.00	0.45	0.15	3.00	1.22		
	Roof beam		1.00	2.00	9.60	0.15	0.45	1.30		
			1.00	2.00	5.48	0.15	0.45	0.74		
			1.00	1.00	5.18	0.15	0.45	0.35		
	Hall-1		1.00	1.00	5.10	5.10	0.15	3.90		
	Office-1		1.00	1.00	4.42	3.50	0.15	2.32		
	Lintel		1.00	2.00	9.60	0.15	0.15	0.43		
			1.00	2.00	5.48	0.15	0.15	0.25		
			1.00	1.00	5.18	0.15	0.15	0.12		
	Foyer		1.00	1.00	23.47	0.20	0.15	0.70		
	Passage		1.00	1.00	23.47	1.20	0.15	4.22		
			1.00	1.00	5.48	0.20	0.15	0.16		
						Total Qty		62.76	5989.36	375879.11
9	**Providing and laying in position reinforced cement concrete 1:1.5:3 (M20) with 12mm and down size graded metal, machine mixed, well compacted for plain chejja of 7.5cms. Average thickness, upto ground floor level, including cost of all materials, labour, HOM of machinery specification (Page NO. 14, Item No. 4.19)**									
		Sqm								
	Chejja		1.00	12.00	2.27	0.60	0.10	1.63		
	V		1.00	6.00	1.21	0.60	0.10	0.44		
	Atta		1.00	6.00	4.27	1.50	0.15	5.76		
						Total Qty		7.83	483.36	3784.38

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BOQ. No	Description	Unit	No.	Length	Breadth	H/D	Qty	Rate	Amount
10	**Providing and fabricating TMT . Steel (cold, Twisted) reinforcement for R.C.C. work including straightening, cutting, bending, hooking,placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design(laps and wasteage shall not measured and paid) cost of materials. labour. HOM of machinery complete as per specifications (Page NO. 17, Itm. NO. 4.46) Fe 500**								
		Tonne							
	Consider 90 kg per cum of concrete								
	(85.73x90)=7715 Kg i.e 8.6						13.09		
									0.00
						Total Qty	13.09		
		Qty Executed beyond tender quantity upto 125%					9.64	59413.00	572741.32
		Qty Executed over & above 125% of Sanctioned Quantity					3.45	59413.00	204974.85
11	**Providing and removing centering shuttering strutting propping etc., and removal of form work for columns, pillars, abutments, post and struts square/ rectangular/ polygon in plan including cost of all materials labour complete as per specification (Page No.16, Item No. 4.32**								
		Sqm							
	For Column up to Plinth		1.00	12.00	1.30		1.80	28.08	
	Column Plinth Beam upto Ground Floor Level		1.00	12.00	1.30		2.70	42.12	
	Column ground floor roof to First Floor Level		1.00	6.00	1.30		2.70	21.06	
						Total Qty	91.26	387.96	35405.23
12	**Providing and removing centering shuttering strutting propping etc., and removal of form work for sides and soffits of beams beam houchings cantilever girders bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specification (Page No. 16, item No. 4.34)**								
		Sqm							
	Plinth Beam		2.00	2.00	23.47		0.45	42.25	
			2.00	2.00	5.48		0.45	9.86	
	Centre Wall		2.00	4.00	5.18		0.45	18.65	
	Lintels		2.00	8.00	2.23		0.15	5.35	
			1.00	8.00	1.80	0.15		2.16	
	Roof Beams		2.00	2.00	23.47		0.45	42.25	
			1.00	1.00	23.47	0.15		3.52	
			2.00	2.00	5.48		0.45	9.86	
			1.00	2.00	5.48	0.15		1.64	
	Centre Wall		2.00	4.00	5.18		0.45	18.65	
			1.00	4.00	5.18	0.15		3.11	
	1st Floor Roof Beam		2.00	2.00	9.45		0.45	17.01	
			1.00	2.00	9.45	0.15		2.84	
			2.00	2.00	5.48		0.45	9.86	

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BOQ. No	Description	Unit	No.		Length	Breadth	H/D	Qty	Rate	Amount
	Cantilever beam		1.00	2.00	5.48	0.15		1.64		
			1.00	6.00	1.20	0.15		1.08		
	Lintel		2.00	2.00	6.00		0.45	10.80		
			2.00	2.00	9.45		0.15	5.67		
			1.00	4.00	1.80	0.15		1.08		
						Total Qty		207.29	271.36	56249.05
13	**Providing and removing centering shuttering strutting propping etc., for chejjas, corbels etc., including edges including cost of all materials, labour complete as per specifications (Page No. 16, Item No.4.37)**									
		Sqm								
	Chajja GF W		1.00	8.00	2.26	0.60		10.85		
	V		1.00	4.00	1.21	0.60		2.90		
	Chjja FF W		1.00	4.00	1.50	0.60		3.60		
	V		1.00	2.00	0.90	0.45		0.81		
	Toilet AttA		1.00	2.00	4.27	1.50		12.80		
						Total Qty		30.97		
		Qty Executed beyond tender quantity upto 125%						19.46	286.20	5569.45
		Qty Executed over & above 125% of Sanctioned Quantity						11.50	286.20	3291.30
14	**Providing and removing centering, shuttering, strutting propping etc., and removal of form work for stairs (excluding landing) except spiral staircase including cost of all materials labour complete as per specification (Page No. 16, Item No.4.38)**									
		Sqm								
	Staircase waist slab		1.00	2.00	5.38	1.20		12.91		
	Mid Landing		1.00	1.00	3.00	1.50		4.50		
	Sides		1.00	2.00	6.38	0.30		3.23		
						Total Qty		20.64		
		Qty Executed beyond tender quantity upto 125%						20.00	503.50	10070.00
		Qty Executed over & above 125% of Sanctioned Quantity						0.64	503.50	322.24
15	**Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs,landing, balconies and likes thickness upto 200mm including cost of materials, labour complete as per specification (Page No. 15, Item No. 4.29)**									
		Sqm								
	For RCC Roof		1.00	1.00	23.47	5.48		128.62		
			1.00	1.00	9.65	5.48		52.88		
	Sump Tank		1.00	1.00	3.00	2.00		6.00		
						Total Qty		187.50	583.00	109311.10

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BOQ. No	Description	Unit	No.	Length	Breadth	H/D	Qty	Rate	Amount
16	**Providing and constructing pre cast concrete solid blocks with compressive strength not less than 35 kg/sqm with cement mortar 1:4 masonry (quoins, jamb,closer blocks) with solid concrete blocks of size 40x20x20cms conforming to I.S: 2185/1965 in superstructure including cost of materials,labour charges,scaffolding,curing etc., complete as per superstructure(Page No.25,Item No.5.27)**								
	GF	Sqm							
			1.00	2.00	23.47		3.00	140.82	
			1.00	2.00	5.48		3.00	32.88	
			1.00	2.00	5.18		3.00	31.08	
	Below Staircase		1.00	2.00	5.18		1.00	10.36	
	First		1.00	2.00	9.63		2.10	40.45	
			1.00	2.00	5.48		3.00	32.88	
	Projection area		1.00	1.00	5.18		3.00	15.54	
	Deduction		1.00	1.00	24.00		1.00	24.00	
	Door							0.00	
	D1		-1.00	4.00	1.20		2.10	-10.08	
	Window		-1.00	8.00	1.00		2.10	-16.80	
	W1		-1.00	6.00	1.80		1.20	-12.96	
	V		-1.00	12.00	1.50		1.20	-21.60	
	RCC Lintel		-2.00	1.00	0.75		0.60	-0.90	
			-1.00	3.00	13.40		0.15	-6.03	
			-1.00	3.00	8.30		0.15	-3.74	
						Total Qty		255.90	993.22	254165.99
17	**Providing and constructing pre cast concrete solid blocks with compressive strength not less than 35 kg/sqm with cement mortar 1:4 masonry (quoins, jamb,closer blocks) with solid concrete blocks of size 40x10x20cms conforming to I.S: 2185/1965 in superstructure including cost of materials,labour charges,scaffolding,curing etc., complete as per superstructure(Page No.25,Item No.5.28)**								
	Toilet (GF & FF)	Sqm	1.00	6.00	4.27		3.00	76.83	
						Total Qty		76.83		
		Qty Executed beyond tender quantity upto 125%						38.63	758.96	29318.62
		Qty Executed over & above 125% of Sanctioned Quantity						38.20	758.96	28991.72
18	**Providing Honne wood frames of doors windows, clerestory windows, ventilators and other frames wrought, framed of assembled including making plaster grooves (excluding cost of materials, labour, HOM of machineries complete as per specifications (Page No.51, Item No. 9.11)**								
		Sqm							
	Door D (GF & FF)		1.00	4.00	5.70	0.12	0.08	0.21	
						Total Qty		0.21	109026.30	22372.20

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BOQ. No	Description	Unit	No.	Length	Breadth	H/D	Qty	Rate	Amount
19	Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 40mm, thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour,HOM of machineries completed as per specification (excluding cost of fixtures) Page No.51, Item No. 9.15)								
		Sqm							
	Door D (GF & FF)		1.00	4.00	1.50		2.10	12.60	
						Total Qty		12.60	4921.58	62011.91
20	Providing and fixing in position shutters for doors made out of Honne wood styles and rails of 35mm. Thick with bottom and lock rail 180mm wide top rail and styles 100mm wide as per drawings and panels of 18mm thick is exteriors grade melamine impregnated prelaminations particle board colour on one sides including cost of materials, labour, HOM of machineries complete as per specifications.(excluding cost of fixtures) (Page No.53, Item No.9.38)								
		Sqm							
	Door D2 (GF & FF)		1.00	4.00	0.75		2.00	6.00	
						Total Qty		6.00	3559.48	21356.88
21	Providing and fixing M.S. grill work for windows and ventilator weighing 21kg/Sqm using M.S. flats, or M.S square rods or combination of M.S. flats and steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures labour and HOM of machinery specifications (Page 32, Item No. 7.9)								
		Sqm							
	Window W (GF & FF)		1.00	12.00	1.80		1.20	25.92	
	V		1.00	6.00	0.75		0.60	2.70	
	Stairacse		1.00	1.00	12.00		1.00	12.00	
	Foyer		1.00	1.00	30.00		1.00	30.00	
								70.62	
	Consider 21 Kg Per one Sqm		21.00	x	70.62				
						Total Qty		1483.02	82.68	122616.09

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BOQ. No	Description	Unit	No.	Length	Breadth	H/D	Qty	Rate	Amount
22	Providing and fixing in position anodized alluminium windows and ventilators as per approved drawings with sliding shutters using double track window frame section of size 122.2x31.75mm with 1.2mm thick, bottom section weight of 0.695 kg per m, sides and top section of 1.3mm thick weight of 0.659 kg per m and shutter comprising top and bottom section of size 40mmx18mm , 1.25mm thick of 0.417 kg per m shutter outer side 40mmx18mm, 1.25mm thick weight of 0.417 kg per m, shutter interlock section 40mmx 26.7mm , 1.1mm thick, wieght of 0.469 kg per m the shutter mounted on nylon roller with approved quality of fixture such as alluminium tower bolts etc., and providing and fixing 5.5mm thick plain glass of shutter fitted with rubber beading alluminium section anodized 12 to 15 microns including cutting to required length, joints mitred sub dividing the frame tenonned revited in the assembled frame stiffened with end clips at corners angles etc., and fixed to walls, lintles, floor beams or cills as the case may be with necessary steel screws, raul plugs, or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar, alluminium section pre treated for removal of any rust and coated with greesy or non adhesion of motor and other sticky materials (this coating should be cleaned after installation) including cost of all materials , fixtures labour and HOM at machinary complete as per specificaions (Page No 34. item No. 7.12.1)									
		Sqm								
	Window W (GF & FF)		1.00	12.00	1.80		1.20	25.92		
	V		1.00	2.00	0.75		0.60	0.90		
							Total Qty	26.82	3771.48	101151.09
23	Providing and fixing in position collapsible steel shutters with single or double leaf with vertical channel 20mmX10mmX2mm braced with flat iron diagonals 20mmx5mm size with top and bottom rails of T Iron sections of 40X40X6mm with 38mm dia steel pulleys complete with bolts and nuts, locking arrangements, stoppers, handles coat of red lead paint, cost of materials, labour, HOM of machinery complete as per specifications size of gate 2.4mX1.4m (Page No. 31, Item No.7.1									
		Sqm								
	Window W (GF		1.00	1.00	2.50		2.70	6.75		
							Total Qty	6.75	4274.98	28856.12
24	Providing 18mm thick cement plaster in single coat with cement mortar 1:3, to brick masonry including rounding off corners wherever required smooth rendering: providing and removing scaffolding, including cost of materials labour curing complete as per specifications (page No.113, Item No.15.15)									
		Sqm								
	inside Plastering									
	For Sump Tank		1.00	1.00	10.00		2.00	20.00		
	GF Hall-1		1.00	2.00	5.10		3.00	30.60		
			1.00	2.00	5.10		3.00	30.60		
	GF Office-1		1.00	2.00	4.42		3.00	26.52		
			1.00	2.00	3.50		3.00	21.00		
	GF Hall-2		1.00	2.00	5.10		3.00	30.60		

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BOQ. No	Description	Unit	No.		Length	Breadth	H/D	Qty	Rate	Amount
			1.00	2.00	5.10		3.00	30.60		
	GF Office -2		1.00	2.00	4.42		3.00	26.52		
			1.00	2.00	3.50		3.00	21.00		
	GF Hall-3		1.00	2.00	5.10		3.00	30.60		
			1.00	2.00	5.10		3.00	30.60		
	GF Office -3		1.00	2.00	4.42		3.00	26.52		
			1.00	2.00	3.50		3.00	21.00		
	GF toilet		1.00	8.00	1.70		3.00	40.80		
	FF Hall-1		1.00	2.00	5.10		3.00	30.60		
			1.00	2.00	5.10		3.00	30.60		
	FF Office-1		1.00	2.00	4.42		3.00	26.52		
			1.00	2.00	3.50		3.00	21.00		
	FF toilet		1.00	8.00	1.70		3.00	40.80		
	Deductoion							0.00		
	Door D		-0.50	4.00	1.50		2.10	-6.30		
	D2		-1.00	6.00	0.75		2.10	-9.45		
	Windows		-0.50	12.00	1.80		1.20	-12.96		
	Ventilator		-0.50	6.00	0.75		0.60	-1.35		
						Total Qty		506.42	284.50	144076.49
25	**Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling incluidng rounding off corners wherever required smooth rendering providing and removing scaffolding including cost of materials, labour curing complete as per specification (Page No. 114, Item No. 15.21)**									
		Sqm								
	GF Hall-1		1.00	1.00	5.10	5.10		26.01		
	GF Office-1		1.00	1.00	4.42	3.50		15.47		
	GF Hall-2		1.00	1.00	5.10	5.10		26.01		
	GF Office -2		1.00	1.00	4.42	3.50		15.47		
	GF Hall-3		1.00	1.00	5.10	5.10		26.01		
	GF Office -3		1.00	1.00	4.42	3.50		15.47		
	GF toilet		1.00	1.00	4.27	1.50		6.40		
	FF Hall-1		1.00	1.00	5.10	5.10		26.01		
	FF Office-1		1.00	1.00	4.42	3.35		14.81		
	FF toilet		1.00	1.00	4.27	1.50		6.41		
						Total Qty		178.06	225.04	40071.62
26	**Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications (Page No. 115, Item No. 15.33)**									
		Sqm								
	GF & FF (Qty Vide Item No.24 & 25)							684.48		
						Total Qty		684.48	29.15	19952.72

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BOQ. No	Description	Unit	No.		Length	Breadth	H/D	Qty	Rate	Amount
27	Providing 20mm thick cement plaster in single coat with cement mortar 1:3, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering,: Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications (Page No114, Item No.15.18))									
		Sqm								
	Outside		1.00	2.00	23.47		6.20	291.03		
			1.00	2.00	5.48		6.20	67.95		
			1.00	2.00	1.50		6.20	18.60		
	Parapet		1.00	1.00	30.00		1.80	54.00		
								0.00		
	Deduction Door D		-0.50	4.00	1.20		2.10	-5.04		
	Window		-0.50	12.00	1.80		1.20	-12.96		
	Ventilator		-0.50	6.00	0.75		0.60	-1.35		
						Total Qty		412.23	301.99	124489.34
28	Providing and laying flooring using prepolished , water cut/ gang saw 19mm thick granite laid over existing floor in CM 1:4 at 20mm thick (average) and pointed with white/ grey pigment etc., complete (Page No.107, Item No.14.47.1)									
		Sqm								
	GF Hall-1		1.00	1.00	5.10	5.10		26.01		
				2.00	5.10		0.10	1.02		
				2.00	5.10		0.10	1.02		
	GF Office-1		1.00	1.00	4.42	3.50		15.47		
				2.00	4.42		0.10	0.88		
				2.00	3.50		0.10	0.70		
	GF Hall-2		1.00	1.00	5.10	5.10		26.01		
				2.00	5.10		0.10	1.02		
				2.00	5.10		0.10	1.02		
	GF Office -2		1.00	1.00	4.42	3.50		15.47		
				2.00	4.42		0.10	0.88		
				2.00	3.50		0.10	0.70		
	GF Hall-3		1.00	1.00	5.10	5.10		26.01		
				2.00	5.10		0.10	1.02		
				2.00	5.10		0.10	1.02		
	GF Office -3		1.00	1.00	4.42	3.50		15.47		
				2.00	4.42		0.10	0.88		
				2.00	3.50		0.10	0.70		
	Foyer		1.00	1.00	23.47		1.50	35.21		
					5.48		2.45	13.43		
	FF Hall-1		1.00	1.00	5.10	5.10		26.01		
				2.00	5.10		0.10	1.02		
				2.00	5.10		0.10	1.02		
	FF Office-1		1.00	1.00	4.42	3.50		15.47		
				2.00	4.42		0.10	0.88		
				2.00	3.50		0.10	0.70		
	Passage		1.00		23.47		1.50	35.21		
	Thread		2.00	12.00	1.20	0.30		8.64		
	Riser		2.00	12.00	1.20		0.15	4.32		

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BOQ. No	Description	Unit	No.	Length	Breadth	H/D	Qty	Rate	Amount
		Qty Executed over & above 125% of Sanctioned Quantity					1.00	2290.66	2290.66
32	Providing and fixing white vitreous china clay flat back wash basin size 630x450mm with a single of 15mm C.P. brass pillar taps with C.I. /M.S. brackets 32mm C.P. brass waste of standard pattern, painting of fittings and brackets, cuttings and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications (page No. 81, Item No. 12.24)								
		Unit							
			1.00	6.00			6.00		
						Total Qty	6.00		
		Qty Executed beyond tender quantity upto 125%					5.00	3187.42	15937.10
		Qty Executed over & above 125% of Sanctioned Quantity					1.00	3187.42	3187.42
33	Providing and fixing white vitreaus china clay, flat back, lipped front urinal basin of 430x260x350mm with 5 litre PVC automatic flushing cistren, C.I./M.S bracket, standard flush pipe and c.P. brass spreaders with brass union and G.I.Clamp Complete painting of fitting and brackets, cutting and making good the wall and floor wherever required , including cost of materials, labour complete as per specification (Page No. 78, item No. 12.7)								
		Unit							
			1.00	3.00			3.00		
						Total Qty	3.00	3145.02	9435.06
34	Providing colour glazedzed tiles of all sizes 10mm thick for flooring, treads of steps and landing laid on a bed of 12mm thick , cement mortar 1:3 mix flush pointing using white cement,with matching colour pigment, including cost of a materials, labour, curing, complete as per specifications(30 X45) (Page No. 106, Item No. 14.41.3)								
	Toilet	Unit							
	GF		1.00	4.00	2.13		1.60	13.63	
	FF		1.00	2.00	1.80		1.6	5.76	
						Total Qty		19.39	
		Qty Executed beyond tender quantity upto 125%					14.40	1186.14	17080.42
		Qty Executed over & above 125% of Sanctioned Quantity					4.99	1186.14	5921.21
35	Providing skirting, dado rises of steps with colour glazed tiles 15x15 cms 6mm thick on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (Exclude cost of rough plastered surface which should be measured and paid separetely) using glazed tiles of approved make and size including cost of materials labour complete as per specifications (page No. 106, Item No. 14.41								

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BOQ No	Description	Unit	No.		Length	Breadth	H/D	Qty	Rate	Amount
	Toilet	Unit								
	GF		1.00	4.00	7.46		2.10	62.66		
	FF		1.00	2.00	7.46		2.1	31.33		
	Door		-1.00	6.00	0.75		2.1	-9.45		
						Total Qty		84.55		
		Qty Executed beyond tender quantity upto 125%						67.20	1136.32	76360.70
		Qty Executed over & above 125% of Sanctioned Quantity						17.35	1136.32	19710.61
36	Providing and fixing 7.5cms to 15cms dia NP grating 100mm dia (page no 88 , Item No. 12.111)									
		Each								
			1.00	6.00				6.00		
						Total Qty		6.00	169.60	1017.60
37	Providing and fixing C.I. Nahani trao of approved make conforming to ISI specificatins and constructin of Cistern in CC 1:2:4 as per directions (Rate is inclusive of cost of materials and fixture and conveyance of materials to work spot) 10cms to 7.5cms Page no. 88, item No. 12.113.1)									
		m								
			1.00	6.00				6.00		
						Total Qty		6.00	265.00	1590.00
38	Providing and fixing chorinated poly venyl chloride (CPVC) pipes conforming to IS15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. this includes jointing of pipes and fittings with one step CPVC solvent cement and the cost of cutting chases & making good the same including testing of joints complete 20mm nominal OD Pipes (Page No.96, Item No. 13.88.2)									
		m								
			1.00	100.00				100.00		
						Total Qty		100.00		
		Qty Executed beyond tender quantity upto 125%						75.00	222.60	16695.00
		Qty Executed over & above 125% of Sanctioned Quantity						25.00	222.60	5565.00
39	Providing and fixing in position brass stop cock of approved quality15mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications (Page no.91 Item No. 13.26)									
		Each								
			1.00	6.00				6.00		
						Total Qty		6.00	170.66	1023.96

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BOQ. No	Description	Unit	No.	Length	Breadth	H/D	Qty	Rate	Amount
40	providing and fixing in position brass gate valve with C.I. Wheel of approved quality (Screwed end) 20mm nominal bore including cost of all materials labour and HOM of Equipments with all lead complete as per specificatins (page No.91, Item No. 13.33								
		Each							
			1.00	6.00			6.00		
						Total Qty	6.00		
		Qty Executed beyond tender quantity upto 125%					5.00	433.54	2167.70
		Qty Executed over & above 125% of Sanctioned Quantity					1.00	433.54	433.54
41	Providing and fixing on wall surface 4.0kg /Sq.cm H.D.P.E. rain down water pipes 110mm outer dia approved make and brand with necessary specials like shoes, bends and offsets fixed with iron clamps, wall plugs screws, including cost of materials, labour, complete as per specifications (Page No. 47, item No. 8.19)								
		m							
			1.00	7.00	10.00		70.00		
						Total Qty	70.00		
		Qty Executed beyond tender quantity upto 125%					46.50	602.08	27996.72
		Qty Executed over & above 125% of Sanctioned Quantity					23.50	602.08	14148.88
42	Providing NP/CP waste union conforming to ISI specifications and fixing them in position as per directions including cost of materials, fixtures and conveyance to work spot etc., complete 32mm dia (Page No. 85, item No. 13.81.1)								
		m							
			1.00	6.00			6.00		
						Total Qty	6.00		
		Qty Executed beyond tender quantity upto 125%					5.00	132.50	662.50
		Qty Executed over & above 125% of Sanctioned Quantity					1.00	132.50	132.50
43	Construction brick masonry inspection chamber 450x450mm and 450mm depth (clear inside dimension) for single pipes line using table mouled non-modular bricks of class designation 50 in cement mortar 1:5 C.I. cover witth frame (light duty) 450x450mm (Page No.73, Item No.11.50.2)								
		Nos							
			1.00	4.00			4.00		
						Total Qty	4.00	5664.64	22658.56

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BOQ. No	Description	Unit	No.		Length	Breadth	H/D	Qty	Rate	Amount
44	Providing and placing on terrace , polyethylene water storage tanks with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per specifications (For 1000 litre capacity) page No. 94, Item No. 13.78)									
		Nos								
			1.00	2.00				2.00		
						Total Qty		2.00		
		Qty Executed beyond tender quantity upto 125%						1.25	8975.02	11218.78
		Qty Executed over & above 125% of Sanctioned Quantity						0.75	8975.02	6731.27
45	Providing and applying painting two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after throughly brushing the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specificationswith primer.(Page No. 117, Item No. 15.51.2)									
		Sqm								
	Qty Vide Item No.26		1.00	1.00				684.48		
						Total Qty		684.48	95.40	65299.82
46	Extra for providing and applying every subsequent coat of painting with plastic emulsion paint of approved brand and shadefor Item No.15 15.1 and 15.53 cost of materials, labour complete as per specifications(PageNo.118, Item No.15.52.3)									
		Sqm								
	Qty Vide Item No.26		1.00	1.00				684.48		
						Total Qty		684.48	31.80	21766.61
47	Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered materials, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications (Page No. 118, Item No. 15.53.2)									
		Sqm								
	Qty Vide Item No.27		1.00	1.00				412.23		
						Total Qty		412.23	89.04	36704.96
48	Extra for providing and applying every subsequent coat of water proofing cement paint of approved brand and shade for item No.15-16.1 cost of materials,labour,complete as per specifications (Page No.118, Item No.15.53.3)									
		Sqm								
	Qty Vide Item No.27		1.00	1.00				412.23		
						Total Qty		412.23	28.62	11798.02

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BOQ. No	Description	Unit	No.	Length	Breadth	H/D	Qty	Rate	Amount
49	Applying priming coat over new wood surface and/ or wood based surface after preparing the surface after throughly cleaning oil, grease, dirt and foreign matter, sand papering and knotting liquid wood filler, for varnish including cost of materials, labour, complete as per specificatios (Page No. 119, Item No. 15.59)								
		Sqm							
	Door D		2.25	4.00	1.50		2.10	28.35	
	Rolling Shutter		2.00	1.00	2.50		2.70	13.50	
	Window Grill W		1.00	12.00	1.80		1.20	25.92	
	V		1.00	6.00	0.75		0.60	2.70	
	Staircase Railing		1.00	1.00	12.00		1.00	12.00	
	Foyer		3.00	2.00	30.00		1.00	180.00	
						Total Qty		262.47	43.46	11406.95
50	Providing and applying painting two coats (excluding priming coat) on new wood surface and/ or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications (Page No.119, item No.15.60)								
		Sqm							
	Qty vide Item No.49							262.47		
						Total Qty		262.47	89.04	23370.33
51	Extra over item No.15-17.6 for applying every subsequent coat of enamel paint to give an even shade after cleaning the surface of all dirt and foreign matter, sand papering including cost of materials, labour, complete as per specifications (Page No.119, Item No.15.60.2)								
		Sqm							
	Qty vide item No.49							262.47		
						Total Qty		262.47	50.88	13354.47
										4587462.30
						Providing Electrical Works				385000.00
						Bescom Meter Charges				3000.00
						Miscellenous				24537.70
						Total				5000000.00

CERTIFICATE

1.The work spot has been inspected and the work found to be necessary.
2.The Estimate is prepared as per the PWD SR 2016-2017
3.The Provision made in estimate are adequate and essestial.
4.This area comes under BBMP limits.

Asst Engineer
Ward No: 13
BBMP

Asst Executive Engineer
Shettyhalli Sub Division
BBMP

Executive Engineer
Dasarahalli Zone
BBMP

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು

EXECUTIVE ENGINEER
Bruhat Bangalore Mahanagara Palike
Dasarahalli Division, Bangalore-560057

ನಂ.CE/D2/TS/03/18-19 ದಿನಾಂಕ : 07/06/2018
ರೂ. Rupees Four Lakhs Eighty Seven Lakhs
Only
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ

ತಾಂತ್ರಿಕ ಸಹಾಯಕರು

ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು

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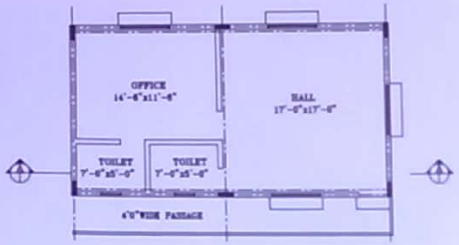
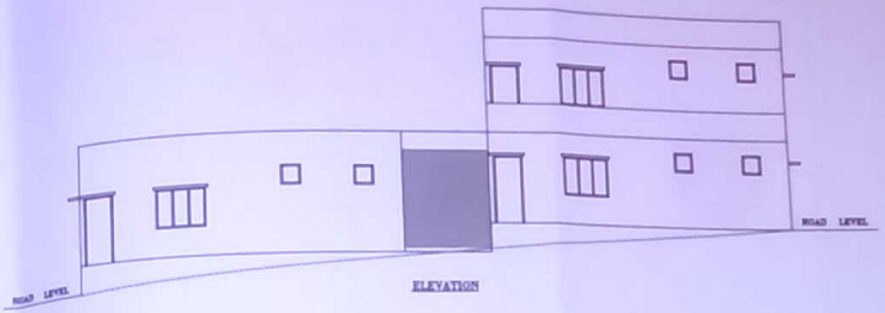
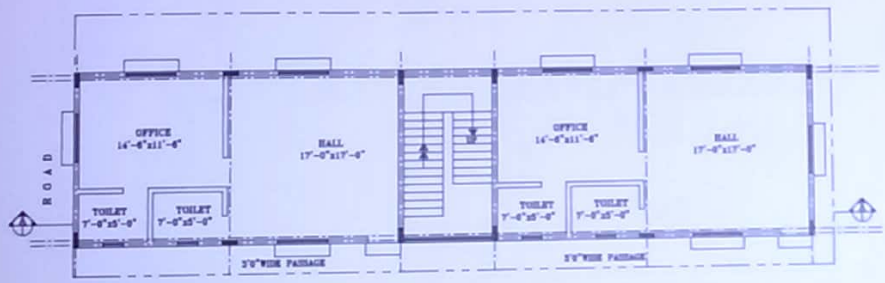


FIRST FLOOR PLAN

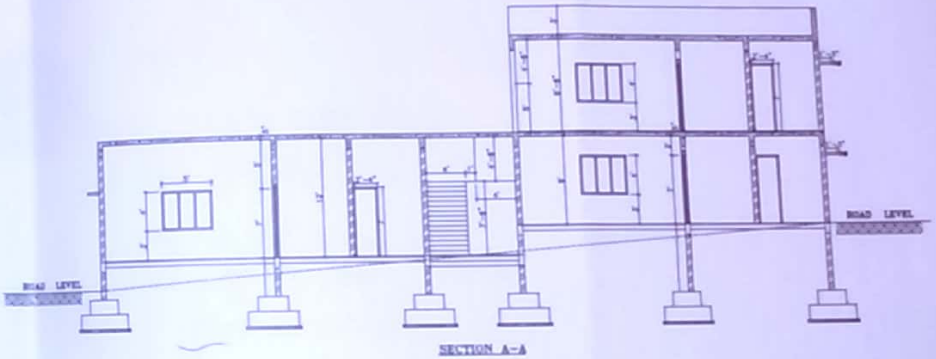


ELEVATION



ROAD

GROUND FLOOR PLAN



SECTION A--A

PROJECT PROPOSED MULTIPURPOSE BUILDING IN WARD NO:13,SHETTYHALLI, SUB DIVISION,BANGALURU.	STRUCTURAL CONSULTANTS	DRAWING TITLE : FIRST SLAB REINFORCEMENT DETAILS	SCALE: AS SHOWN DRAWN BY: - MIA CHECKED BY: - AIAR APPROVED BY: - NMS DATE: 20/NOV/2017	SIZE: A2 REV: 00 DWG. NO: AR-000

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